

1. PRODUCT NAME, NUMBER, SYNO M: LEFKO Activator IM-52
2. MANUFACTURER'S NAME: Leffingwell Chemical Co. JAN 28 1982
3. MANUFACTURER'S ADDRESS: 111 S. Berry St., Brea, Calif. 92621
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Use standard clean-up methods. Solvents such as acetone, MEK, MIBK, Trichloroethylene may be used for cleaning. Avoid skin contact.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Requires no special handling. Store at temperatures between 40-100°F., preferably 60-80°.
6. FIRST AID TREATMENT:
- A. SKIN CONTACT: Wash thoroughly with soap and water. Do not use organic solvents on the skin.
- B. EYE CONTACT: Flush with water.
- C. INHALATION: Not toxic by inhalation. See 7d.
- D. ANTIDOTE IN CASE OF SWALLOWING: Universal Antidote. Material has no oral toxicity.
7. PHYSIOLOGICAL PROPERTIES:
- A. ACUTE ORAL TOXICITY: Animal feeding tests have shown no toxicity.
- B. LOCAL EFFECTS UPON EYES: Mild irritant only.
- C. LOCAL EFFECTS UPON SKIN: May act as skin irritant or cause dermatitis in rare sensitive cases.
- D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Nil. Not volatile.
- E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): If sensitive, there may be a skin rash.
- F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Not available.
8. CHEMICAL AND PHYSICAL PROPERTIES:
- A. SPECIFIC GRAVITY (WATER = 1) 0.97 B. VAPOR DENSITY (AIR = 1) NA
- C. VAPOR PRESSURE mm Hg AT 25°C. Less than 1. D. pH 10.0
- E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS:
Non-corrosive.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? No.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? When blended with epoxy resins, there is a mild exotherm through polymerization.

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: No special requirements. Normal practice of good personal hygiene ~~xxx~~ is sufficient.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Plastic or rubber gloves or barrier creams are suggested but not required.

11. A. FLASHPOINT °F: CLOSED CUP _____; OPEN CUP 510° F.; IF F.P. CHANGES DURING EVAPORATION GIVE DATA: ASTM D-92 (Cleveland OC)

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER NA; UPPER NA

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____; NO x

D. FIRE POINT °F NA; AUTO IGNITION TEMPERATURE °F NA

E. VAPOR DENSITY NA

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Only normal combustion products.

G. SUITABLE EXTINGUISHING AGENTS: Water, Carbon dioxide

12. INFORMATION FURNISHED BY: Dr. L. R. McNall

TITLE: Technical Director

COMPANY: Leffingwell Chemical Co.

ADDRESS: 111 s. Berry St., Brea, CA 92621

DATE: November 12, 1970 1970 NOV 13 PM 2:57

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.